

ABSTRACT

WATER SOLUBLE COLORANTS FOR INK JET PRINTING AFFORDING  
IMPROVED WATER FASTNESS

1 In accordance with one embodiment of the present  
2 invention, a colorant in an ink jet ink formulation is  
3 disclosed. The colorant comprises an organic dye  
4 chromophore with at least one functional group Y  
5 containing one or more primary, secondary or tertiary  
6 amino groups, which in the presence of an acid provides a  
7 water soluble, cationic ink jet ink colorant with  
8 increased water fastness when applied to paper.